

LESSON PLAN-2022-2023
SWAMI VIVEKANANDA SCHOOL OF ENGG & TECH, BBSR

| sl.no | Discipline- ELECTRICAL | Semester- 3RD | Name of Teaching faculty-SONALI SUSMITA TRIPATHY |
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| CHAPTER | SUBJECT- ENVIRONMENTAL STUDIES | No of days/ per week class alloted-05 | SEM From date- 16.09.2022- No of weeks-15 |
| | Week | Class day | Theory Topics |
| 1 | 1 st | 16.9.2022 | The Multidisciplinary nature of environmental studies: Definition, scope and importance. |
| | | 19.09.2022 | Need for public awareness-environmental studies |
| 2 | | 20.09.2022 | Natural Resources- Energy Resources: Growing energy need, renewable and non-renewable energy sources |
| | 2nd | 21.09.2022 | Use of alternate energy sources, Case studies |
| | | 22.09.22 | Over-exploitation of Forest resources ,Deforestation, effects of deforestation Use of Forest resources |
| | | 23.09.2022 | preventive measures of conservation of forests. Dams and their effects on forests and tribal pepole people |
| | | 24.09.2022 | Mineral Resources- Use and exploitation,Environmental effects of extracting and using minerals resources. |
| | 3rd | 26.09.2022 | Environmental damage caused by mining activites.effect and impact of modren agriculture |
| | | 27.09.2022 | Food Resources: World food problems,Changes caused by agriculture and over grazing |
| | | 28.09.2022 | Effects of modern agriculture, fertilizers- pesticides problems, water logging, salinity |
| | 4th | 29.09.2022 | Water resources- over-utilization of surface and ground water |
| | | 30.09.2022 | Conflicts over water, dam's benefits and problems,Land Resources: Land as a resource |
| | | 10.10.2022 | land degradation, man induces landslides, soil erosion, and desertification. |
| | 11.10.2022 | INTERNAL | |

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| | | 12.10.2022 | Role of individual in conservation of natural resources. Equitable use of resources for sustainable life styles |
| | | 13.10.2022 | Environmental Pollution: Definition Causes, effects and control measures of Air pollution |
| | 1st | 14.10.2022 | Water pollution-Types, effects and sources of water pollution |
| | 2nd | 15.10.2022 | SOIL POLLUTION-Types,Control measures of soil pollution |
| | | 17.10.2022 | Marine pollution-Source of marine pollution |
| | | 18.10.2022 | Effects of marine pollutants |
| | | 19.10.2022 | NOISE POLLUTION -Types of noise, Effects of Noise pollution |
| | 3rd | 20.10.2022 | Control and preventing measures of noise pollution |
| | | 21.10.2022 | DURGAPUJA HOLIDAY |
| 3 | | 22.10.2022 | THERMAL Pollution-Sources of thermal pollution |
| | | 26.10.2022 | Effects of thermal pollution,Control measures of thermal pollution |
| | | 27.10.2022 | Nuclear Hazard- Sources of Nuclear Hazards: |
| | 4th | 28.10.2022 | Control measures from Nuclear Hazards, Disposal of Radioactive wastes: |
| | | 29.10.2022 | 1ST INTERNAL Process of Solid WASTE Management,disaster management- floods,cyclones, land slides |
| | | 31.10.2022 | 1ST INTERNAL Disaster Management- Earth Quakes, Tsunami |
| | | 01.11.2022 | 1ST INTERNAL |
| | | 02.11.2022 | Concept of an Eco system -Structure and Components of an Ecosystem |
| | | 03.11.2022 | Energy flow through atmosphere to an ecosystem |
| | 1st | 04.11.2022 | FOREST ECOSYSTEM-Structure and Function of Forest Ecosystem |
| | | 05.11.2022 | GRASSLAND ECOSYSTEM, AQUATIC ECOSYSTEMS |
| | | 07.11.2022 | INTERNAL |
| | | 10.11.2022 | INTERNAL |
| | 2nd | 11.11.2022 | INTERNAL |

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| | | 12.11.2022 | FOOD CHAIN, FOOD WEB, ECOLOGICAL PYRAMIDS, ECOLOGICAL SUCCESSION |
| | 3rd | 13.11.2022 | BIODIVERSITY-VALUES OF BIODIVERSITY |
| | | 15.11.2022 | Biogeographically classification of India |
| | | 16.11.2022 | Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and optin values |
| | | 17.11.2022 | Biodiversity at global, national and local level |
| | 4th | 18.11.2022 | Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts. |
| | | 19.11.2022 | CONSERVATION OF BIODIVERSITY |
| 4 | | 21.11.2022 | Social issues and the Environment- Sustainable Development |
| | | 22.11.2022 | Urban problems related to energy |
| | | 23.11.2022 | Water conservation, rain water harvesting, water shed management. |
| | 1st | 24.11.2022 | Resettlement and rehabilitation of people; its problems and concern |
| | | 25.11.2022 | Environmental ethics: issue and possible solutions |
| 5 | | 26.11.2022 | Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies. |
| | 2nd | 28.11.2022 | Environmental Ethics, Air (prevention and control of pollution) Act. |
| | | 29.11.2022 | Water (prevention and control of pollution) Act. Public awareness. |
| | | 30.11.2022 | Human population and the environment |
| | | 01.12.2022 | Population growth and variation among nations |
| | 3rd | 02.12.2022 | Population explosion- family welfare program. |
| | | 03.12.2022 | Environment and human health, Human rights, Value education |
| | | 05.12.2022 | Role of information technology in environment and human health. |

